

Serial No. 09/817,474
Response Dated November 30, 2004
Reply To Office Action Of October 7, 2004

Amendments to the Specification

Please amend the specification as shown below:

Amend the paragraph on page 6, lines 15-26 as follows:

Figure 2 shows a schematic overview of a wireless LAN 1 in which the invention is implemented. The wireless LAN 1 includes an access point 2 which serves as an access point, and a plurality of network stations 3, 4 of which two are shown. The access point 2 is connected via suitable I/O means 5 to a wired distribution network 6 for communication with other access points 2. It is to be understood that in LAN 1 the actual number of network stations 3, 4 may be 0 (zero) or more. The network stations 3, 4 may be mobile or at fixed positions: they all connect to the network 1 by means of wireless data-communication. In this embodiment of the invention the network stations 3, 4 are represented by personal computers, but it is to be understood that the network stations may be any type of telecommunication equipment that uses a wireless datacommunication network, such as mobile telephones, pagers, PDAs, laptop computers, etc.

Amend the paragraph on page 6, line 27 through page 7, line 2 as follows:

Figure 3 shows a schematic block diagram of an embodiment of a network station 3 comprising processor means 21 with peripherals. The processor means 21 is connected to memory units 18, ~~22~~ 22, 23, 24 which store instructions and data, one or more reading units 25 (to read, e.g., floppy disks 19, CD ROM's 20, DVD's, etc.), a keyboard 26 and a mouse 27 as input devices, and as output devices, a monitor 28 and a printer 29. For data-communication over the wireless LAN 1, an interface card 30 is provided. The interface card 30 connects to an antenna ~~304~~ 35.

Amend the paragraph on page 8, lines 12-24 as follows:

Figure 5b shows a block diagram of the arrangement of the present invention for a medium access controller (MAC) device 401 on a wireless LAN interface card 40

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installed in an access point 2. This LAN interface card 40 may be similar to LAN interface card 30, but it is to be understood that functionality and configuration of LAN interface card 40 can differ from those of LAN interface card 30. Here, the MAC device 401 is schematically depicted, showing only a signal processing unit 402, a carrier detect level reception circuit 403 and a defer level reception circuit 404, antenna 37 and a on-board memory 406 as needed for the description of this embodiment of the invention. The MAC device 401 may comprise other components not shown here. Also, the components 402, 403, 404 which are shown, may be separate devices or integrated into one device. The devices also may be implemented in the form of analog or digital circuits. The on-board memory 406 may comprise RAM, ROM, FlashROM or other types of memory devices, as are known in the art.

Amend the paragraph on page 14, lines 1-3 as follows:

The lowest limits of the threshold values are determined by the sensitivity of the electronic circuits used, both in the network stations 3, 4 and the access points 2, 81-89, as is evident to persons skilled in the art.

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